

Conservation Effects

Land use: Cropland

Guidance Document ID#: C11

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Resource Setting: Orchard, vineyard, or ornamental nursery not adjacent to surface water. Irrigated.

RMS Alternative #1

Contour Orchard and Other Fruit (331)

Grade Stabilization Structure (410)

Grassed Waterway (412)

Irrigation Water Management (449)

Nutrient Management (590)

Pest Management (595)

Typical Resource Concerns	Practice(s) that treat the resource concern to Quality Criteria levels*	Comments
SOIL Erosion		
1) Sheet & rill erosion	Contour Orchard and Other Fruit (331) Irrigation Water Management (449)	soil loss less than “T”
2) Ephemeral gully/concentrated flow erosion	Grassed Waterway (412)	gullies stabilized
3) Classic gully/concentrated flow erosion	Grade Stabilization Structure (410)	gullies stabilized
WATER Quality – ground water		
1) Pesticides	Irrigation Water Management (449) Pest Management (595)	pesticide movement minimized
2) Nutrients	Irrigation Water Management (449) Nutrient Management (590)	nutrient movement minimized
WATER Quality – surface water – no concern		
WATER Quantity		
1) Irrigation Water Source	Irrigation Water Management (449)	Application rate is not excessive.
AIR		
1) Airborne Chemical Drift	Pest Management (595)	Application in compliance with laws and consistent with Drift Management Plan.
PLANTS		
1) Invasive species and noxious weeds	Pest Management (595)	Invasive species and noxious weeds controlled.
2) Threatened and endangered species	Pest Management (595)	Laws regarding T&E species followed.
ANIMAL Habitat – no concern		

* Practices must be installed according to NRCS practice standards found in FOTG Section IV. General criteria (or design criteria), Additional Criteria specific to the resource concern, and Operation and Maintenance requirements must be met.

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ANIMAL Management		
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